B' cont'd

United States; US 60/070,050, filed December 30, 1997, in the United States; GB 9801255.2, filed January 22, 1998, in Great Britain; GB 9803828.4, filed February 25, 1998, in Great Britain; GB 9807760.5, filed April 14, 1998, in Great Britain; and GB 9811130.5, filed May 23, 1998, in Great Britain.

Please insert the "Abstract of the Invention" which is attached as a separate page to this Preliminary Amendment.

IN THE CLAIMS:

In Claim 3, line 1, please delete "claim 1 or".

In Claim 4, line 1, please delete "claim 1 or".

In Claim 5, line 1, please delete "in any one of claims 1 to 4" and insert instead – in claim 4 – .

In Claim 7, line 1, please delete "in any one of claims 1 to 6" and insert instead – in claim 1 – .

In Claim 8, line 1, please delete "in ay one or more of claims 1 to 7" and insert instead – in claim 7 – .

In Claim 8, line 2, change "Or" to – or – .

In Claim 11, line 1, please delete "in any one of claims 1 to 10" and insert instead – in claim 7 – .

In Claim 12, line 1, please delete "in any one of claims 1 to 10" and insert instead – in claim 7 – .

In Claim 13, line 1, please delete "in any one of claims 1 to 10" and insert instead – in claim 7 – .

In Claim 18, line 1, please delete "claim 16 or".

In Claim 24, line 1, please delete "in any one of claims 16 to 23" and insert instead – in claim 16 – .

B2

Claim 27. (Once Amended) A method for directly selecting a biological phenotype, comprising [carrying out a method as defined in any one of claims 1 to 26,] generating a gene library in the form of DNA, RNA, colonies or plaques; converting the nucleic acid from each clone using *in vitro* translation to generate proteins or polypeptides; followed by bringing one or more of the displayed proteins or polypeptides into association with a target cell to allow binding of the one or more proteins or polypeptides to the cell.

B3

Claim 37. (Once Amended) A method of screening proteins or polypeptides [which comprises carrying out a method as defined in any one of claims 1 to 26,] comprising generating a gene library in the form of DNA, RNA, colonies or plaques; converting the nucleic acid from each clone using *in vitro* translation to generate proteins or polypeptides; followed by bringing one or more of the synthesized [synthesised] proteins or polypeptides into the vicinity of a modified ligand which binds to a receptor on the surface of a cell or tissue to label the synthesized [synthesised] proteins or polypeptides on the cell/tissue surface.

In Claim 39, line 1, please delete "or claim 38".

B4

Claim 44. (Once Amended) A method for isolating a gene encoding a protein or polypeptide which binds to a ligand, [which comprises carrying out a method as defined in any one of claims 1 to 26,] comprising generating a gene library in the form of DNA, RNA, colonies or plaques; converting the nucleic acid from each clone using *in vitro* translation to generate proteins or polypeptides; and bringing the synthesized [synthesised] proteins or

B4 cont'd

polypeptides into association with the ligand such that binding between the proteins or polypeptides and the ligands can occur, which in turn allows for recovery of genes encoding the synthesized [synthesised] proteins or polypeptides.

B5

Claim 46. (Once Amended) A method as claimed in claim 44 [or claim 45] wherein the ligand is itself a protein or polypeptide produced [according to a method as defined in any one of claims 1 to 26] by generating a gene library in the form of DNA, RNA, colonies or plaques and converting the nucleic acid from each clone using *in vitro* translation to generate proteins or polypeptides.

In Claim 48, line 1, please delete "in any one of claims 44 to 47" and insert instead – in claim 45 – .

In Claim 49, line 1, please delete "in any one of claims 44 to 47" and insert instead – in claim 45 – .

In Claim 50, line 1, please delete "or claim 47".

In Claim 53, line 1, please delete "or claim 47".

In Clam 54, line 1, please delete "or claim 47".

B6

Claim 55. (Once Amended) A method for isolating a gene encoding a protein which binds to a ligand[, which comprises] comprising generating a library of displayed proteins or polypeptides [as defined in any one of claims 1 to 26,] by generating a gene library in the form of DNA, RNA, colonies or plaques and converting the nucleic acid from each clone using *in vitro* translation to generate proteins or polypeptides, generating a library of ligands, wherein the library of proteins or polypeptides and the library of ligands are each provided with a molecular tag, which may be the same or different, bringing the library of proteins or polypeptides and the library of ligands into association, and isolating these proteins or polypeptides which bind to ligands by one or more steps of isolation of said molecular tags.